

Name: \_\_\_\_\_

Obj: \_\_\_\_\_

Teacher: \_\_\_\_\_

Algebra Pd: \_\_\_\_\_

\_\_\_\_\_  
Day

\_\_\_\_\_  
Month

\_\_\_\_\_  
Year

**Do Now:**

Evaluate each expression for  $a = 3$  and  $b = 7$

1.  $(b - a)b$

2.  $(2a)^2 \cdot b$

1. A \_\_\_\_\_ is a relationship that assigns exactly one \_\_\_\_\_ value for each \_\_\_\_\_ value. For each \_\_\_\_\_ there is only one corresponding \_\_\_\_\_.

2. A \_\_\_\_\_ rule, such as  $C = 1.25p$  is an \_\_\_\_\_ that describes a functional relationship.

**Example 1:**

Number of loads	1	2	3	4
Cost	\$2.75	\$5.50	\$8.25	\$11.00

**Relate** Total cost is \_\_\_\_\_ • \_\_\_\_\_

**Define** Let \_\_\_\_\_ = number of loads. The number of loads is the \_\_\_\_\_.

Let \_\_\_\_\_ = the total cost. The total cost is the \_\_\_\_\_.

**Write** \_\_\_\_\_ = \_\_\_\_\_ • \_\_\_\_\_

The function rule is \_\_\_\_\_.

**Example 2:**

Hours	1	2	3	4
Total Miles	60	120	180	240

**Relate** Total cost is \_\_\_\_\_ • \_\_\_\_\_

**Define** Let \_\_\_\_\_ = number of hours. The number of hours is the \_\_\_\_\_.

Let \_\_\_\_\_ = the total miles. The total number of miles is the \_\_\_\_\_.

**Write** \_\_\_\_\_ = \_\_\_\_\_ • \_\_\_\_\_

The function rule is \_\_\_\_\_.

OYO #1

Cans of Soup	Number of Servings
1	4
2	8
3	12
4	16

Write a function rule for the above scenario. \_\_\_\_\_

OYO #2

Number of cans of frozen orange juice	Total Cost
1	\$1.25
2	\$2.50
3	\$3.75
4	\$5.00

Write a function rule for the above scenario. \_\_\_\_\_